

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/010944

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B21D51/54 B21K1/04 F42B5/26

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B21D B21K F42B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	CH 178 286 A (BIGINELLI ORESTE) 15 July 1935 (1935-07-15) figures 1-12	1,2, 27-29 54
Y A	US 2 079 102 A (ORESTE BIGINELLI) 4 May 1937 (1937-05-04) figures 1-24	1,2, 27-29 54
Y A	BE 426 093 A (ORESTE BIGINELLI) 28 February 1938 (1938-02-28) figures 1-3	1,2, 27-29 54
A X	FR 992 854 A (CIE GENERALE DU DURALUMIN ET D) 24 October 1951 (1951-10-24) figures 1-12	1,27,54 76
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

23 December 2004

Date of mailing of the international search report

03/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Vinci, V

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/010944

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 527 413 A (VERSON ALLSTEEL PRESS COMPANY) 9 July 1985 (1985-07-09)	1,27,54
X	figures 1-4	76
X	GB 752 448 A (BOFORS AB) 11 July 1956 (1956-07-11) figures 1,2	76

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/010944

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
CH 178286	A	15-07-1935	CH 191450 A	15-06-1937
US 2079102	A	04-05-1937	NONE	
BE 426093	A		NONE	
FR 992854	A	24-10-1951	NONE	
US 4527413	A	09-07-1985	US 4509356 A	09-04-1985
			AU 571396 B2	14-04-1988
			AU 3185884 A	28-03-1985
			CA 1220166 A1	07-04-1987
			DE 3475486 D1	12-01-1989
			EP 0137580 A2	17-04-1985
			IL 72964 A	31-07-1987
			JP 60072617 A	24-04-1985
			KR 9107126 B1	18-09-1991
			US 4562719 A	07-01-1986
			ZA 8403963 A	29-01-1986
			AU 571457 B2	21-04-1988
			AU 1932083 A	28-03-1985
			CA 1220986 A1	28-04-1987
			DE 3372079 D1	23-07-1987
			EP 0101146 A1	22-02-1984
			IL 69454 A	30-01-1987
			JP 59030431 A	18-02-1984
			KR 9008351 B1	17-11-1990
			US 4559802 A	24-12-1985
GB 752448	A	11-07-1956	BE 542649 A	
			CH 337098 A	15-03-1959
			FR 1133790 A	02-04-1957